



NITE-TIMES NEWS

CHICAGO AREA TIMEX USERS GROUP

Chicago Area Timex Users Group
Volume 10, Number 1

Downers Grove, Illinois
Spring 1996

ROUTINES	MEMORY MAP	ADDRESS
-----		-----
CATUG Club Officers		1
NITE-TIMES Information		2
Club Meetings		2
Contributors to this Issue		2
Trea\$ury Note\$		2
Secretary's NotePad		2
INPUT/OUTPUT		5
Items for SALE through the Club		5
GATOR's Twisted Pair (Our BBS)		5
Articles:		
TS2068 Key Top Protector		6
Meet Phillip Kwitkowski		6
;-) Sorta Lame, But Told Well		7
Ads		9

C.A.T.U.G. CLUB OFFICERS

Here is the list of 1996 club officers and how to contact them. Our club has three strong SIGS, TS2068, Z88 and QL. If you have questions about either of these fine machines, or even the ZX81/TS1000/TS1500, call one of the officers. C=312 N=847 W=708

POSITION	NAME	PHONE	PRIMARY FUNCTION
-----	-----	-----	-----
President	Nazir Pashtoon	N439-1679	The buck stops here...
Vice-President	John Donaldson	W232-6147	Meeting Planning, etc.
Secretary	Larry Sauter	C763-5383	Records and Reporting
Treasurer	Phil Kwitkowski	W584-6710	Dues and Purchasing
Editor	Bob Swoger	W576-8068	Newsletter, BBS, etc.
-----	-----	-----	-----

Copyright ©1996 Chicago Area Timex Users Group, Streamwood, IL

NITE-TIMES NEWS

Nite-Times Information

The Nite-Times News is the newsletter of the Chicago Area Timex Users Group. For an annual fee of \$12.00 you can become a CATUG member and receive four newsletters each year. Write your check payable to:

**PHIL KWITKOWSKI
2106 DOVER LN
ST CHARLES IL 60174**

The Chicago Area Timex Users Group is pleased to exchange newsletters with other Timex and Sinclair supporting user groups at no charge. Send all newsletter requests to:

**CATUG EDITOR BOB SWOGER
613 PARKSIDE CIRCLE
STREAMWOOD IL 60107-1647**

If you desire to reprint any articles that appear here, please provide credit to the author and this newsletter.

We encourage your user group to copy this newsletter and distribute it at your regular meetings to your members free of any charge as we believe that this will encourage better meeting attendance. If you are a user group that feels as we do, please let us know in your newsletter so that we might do this for our members and keep our attendance up.

Articles originating from our group may be downloaded from our BBS and reprinted.

CLUB MEETINGS

The Chicago Area Timex Users Group meets on the THIRD Saturday of each month at the home of our Editor, Bob Swoger, from 1:00 to 5:00 PM. Bob's home is located at 613 Parkside Circle in Streamwood, Illinois near Elgin. Bob should always be contacted evenings at 708/837-7957 to confirm the meeting schedule.

CONTRIBUTORS TO THIS ISSUE

**Abed Kahale
Phillip Kwitkowski
Larry Sauter
Bob Swoger, K9WVY**

TREASURY NOTES

The balance as of March 31 is \$400.26 Our current paid membership stands at 21.

Phillip Kwitkowski, Treasurer
Chicago Area Timex Users Group

SECRETARY'S NotePad

January 27, 1996

Members present: Cy Herre, John Donaldson, Phillip Kwitkowski, Bob Muth, Nazir Pashtoon, Larry Sauter, and Bob--GATOR--Swoger.

The meeting began at 2:00 P.M. GATOR reported that two new Sinclair BBSs have appeared this winter. The first is the Sinclair Computer Connection located in Miami, Florida. The SYSop is Jose Moreno. Jose has a large download section which contains Spectrum emulator programs. Also, are programs for the ZX81/TS1000 using the LarKen Disk drive system. The BBS platform is an MSDOS compatible machine.

The second BBS that appeared is the Systems-Oriented Languages BBS located in Tucson, Arizona. The SYSop is David Lasso. The platform running this BBS is the TS2068 and the software is MaxCom by LarKen. GATOR says something is wrong with the software on that BBS as he has been unable to upload messages to it. He thinks Lasso slowed the software down by adding VAL to the code to acquire more room for something, maybe an editor.

Swoger got the ZQA! newsletters printed and sent out to Abed for mailing, the cost of

mailing being \$15. UPS would have been more cost effective but Abed requested US POST to get the quickest response.

It is time once again for membership renewal in T/SNUG and it was voted to re-up for another year. Don Lambert and Abed Kahale are really doing a great job putting out ZQA!

Frank and Carol Davis continue to deliver UPDATE! magazine in a timely fashion and five of our members have reported receiving their copies even though they sent in their money late, thanks Frank and Carol.

GATOR finally got in touch with Lee Thoresen and Mark Dorinson on the phone to ask if either of them might become the librarian for the club, the responsibility vacated by Abed Kahale. Mark cheerfully accepted the position. It seems that Lee and Mark, both located south of Chicago, get together for breakfast occasionally to discuss a second interest they have in common, bicycle racing. They are both active in the sport. Thanks, Mark, for handling our literature archive for us. We hope that more information about Sinclair computers will come your way because of this gesture.

John Donaldson's son Geoffrey is now out of the service and a QL owner. He got it up and running in record time with the help of John. Though he has spent time on an IBM platform, the QL will be his business machine.

The meeting adjourned at 4:00 P.M.

February 17, 1996

The meeting began at 2:30 P.M. with members present: Larry Sauter, Bob ---GATOR--- Swoger, Nazir Pashtoon, Cy Herre, and John Donaldson.

GATOR called up Bobby Muth and asked him how he used his TS2068. Bobby said when he needs a spread sheet or word processor, he uses the family IBM. He uses the TS2068 for games of which he has plenty to play with and enjoy. This is probably due to the cost of games for the IBM machines. He also writes his own BASIC graphics stuff for the screen with sprites. One of the games he favors is flying the Tomahawk.

John VanWinkle sent Nazir his QL magazines and some software for the shipping charges. Nazir will use it for repair parts because the keyboard matrix is bad. John Donaldson suggested we should OBTAIN A new keyboard and fix it up as a spare for a member who might need it in the future. John VanWinkle is moving to Texas from Arizona.

GATOR purchased equipment which included disk drives, disk drives interfaces and RAM disks to allow our members to become TS2068 power users. Jeff Decourtney wants to add LarKen with the Spectrum EPROM and two disk drives to his TS2068 setup. Phillip's RAM DISK has been giving him intermittent trouble and one of these RAM disks will free his unit up for repair. Frank Kapel wants to move up to a large printer and the AERCO printer interface will grant that wish.

It was noted that our computer and the CATUG is going into its 10th year and that isn't too shabby. It is a tribute to the durability of the Sinclair computer.

The meeting adjourned at 3:30 P.M.

GATOR gave a demo after the meeting of the Astronomer Program which will be used during the next comet fly by in March.

March 16, 1996

The meeting began at 3:00 P.M. Members present were Cy Herre, Bob ---GATOR--- Swoger, Nazir Pashtoon, Larry Sauter, Bobby Muth and Phillip Kwitkowski.

John Donaldson feels that his son Geoffrey isn't interested in the QL anymore. John feels he will probably repossess the QL that he gave Geoff to develop an interest in the Sinclair family of computers. Ah, Family hope springs eternal. Maybe they shouldn't have written so many inexpensive games for our computers.

GATOR was asking our younger members Jeff Decourtney and Phil Kwitkowski what they are doing with their TS2068s. They explained that they are learning to program their computers. Phil has experimented with the elements of graphical user interface (GUI) by producing folders on the screen and dragging them around the screen with a mouse. He has also experimented with computer front end security.

GATOR related that young programmers have career opportunities in the midwest writing programs for something other than computers. A company he keeps his eye on is Microware (IOWA) who is doing an exceptional job of writing such good programs that they are outselling Bill Gates' company in one particular area, a product line called set top boxes. Set top boxes interact with television. Microware's modularized software for this product is called David while Microsoft's laughable windows attempt to break into the field is thought of by Microware as Goliath just like in the Bible. You know what happened in that Bible passage.

The subject turned to articles in UPDATE! magazine which talked up the INTERNET. GATOR

mentioned that one Motorola employee that was caught on the internet at work for 7 hours one day not accomplishing anything constructive all that day at work. He must have had a good time at work, but gave nothing back to the company for the money he received in his paycheck. This was the reason GATOR gave for not trying out the internet at work. GATOR said he preferred to try the packet radio network for Amateur Radio computer hobbyists instead. He pointed out that city governments have not yet found a way to tax the amateur radio packet networks as they have done with our local telephone BBS networks.

A person from the Chicago area bought some Timex computer equipment from a vendor advertised in the Update! Magazine. GATOR tried to find out the address of the individual to see whether this person would be interested in joining our group. The attempt was unsuccessful.

Members of our group are pondering getting a buy of 720K 3.5" drives for our venerable TS2068 and QLs at the next CoCoFEST in the middle of April. The buy would improve our ability to acquire programs no matter what format the programs come to us. Cy and GATOR were discussing an alternative location for the meeting and GATOR said that it is convenient for him at his house where the gear is installed and available for use and he likes it like that. His wife has a day when the meeting is on and she is out spending his money shopping. GATOR also mentioned how nice and convenient it was at Steve's home where the gear was like at his house, installed and awaiting use for demonstrations.

Meeting ended at approximately 3:45.

Larry Sauter, Secretary
Chicago Area Timex Users Group

INPUT/OUTPUT

Abed Kahale writes: Hi there, I thought you would like to know that the old house is sold and the closing is Feb. 29. That is a load off my back and pocket.

Jose Moreno writes: First I would like to let you all know that I run a Sinclair support board in Miami, Florida called the SCC BBS (The Sinclair Computer Connection BBS) the phone # is (305) 945-8274 and is available 24 hours a day all year round.

I am also in the process of creating a SCC BBS version for the internet. That is to say that you will be able to reach my SCC BBS on the internet as well, but it will be a much bigger version. I would like all of you to send me any ideas as to what you would like to see included on the internet version. To send me feedback either call my bbs listed above or call Q-Box USA and leave me feedback there.

I would like some good Z80 assembly language programmers to contact me because I have a project for the ZX81 that if it succeeds it will put the ZX81 back on the map again.

The following are ways you may contact me:

SCC BBS (305) 945-8274

Jose R. Moreno
1871 N. Glades Dr. Apt #3
N. Miami Beach, Fl. 33162

or on the internet at
d015163c@dcfreenet.seflin.lib.fl.us

ITEMS FOR SALE THROUGH THE CLUB

NAP_Ware (Nazir A. Pashtoon's new endeavor) announces the availability of all Timex or QL PAL (Programmable Array Logic) chips. If interested, call him evenings on 847-439-1679.

GATOR's TWISTED PAIR

To better inform the Sinclair Community as newsletters and magazines about our computers cease to exist, four 24 Hour a day BBSs are now provided to serve the Sinclair Community. You are encouraged to exchange mail and use the files sections of these boards. Bulletins and ADS are available to all. The MMCC BBS is sponsored by the Motorola MicroComputer Club.

If you know the Internet E-MAIL address of a Sinclair user, but do not have access to Internet, simply address your E-MAIL to GATOR SINCLAIR on the MMCC BBS and include the name and e-mail address of the Sinclair user you wish to reach. Then check the MMCC BBS from time to time if you expect a reply.

You have to register as a first time user. This can be done by contacting the SYSop evenings at 708-837-7957 or calling the BBS. Give your user name. When you register your password should be your first name like JIM THOMAS JIM where the second JIM is your password. On later logins you should change your password. You will be able to do nothing more than register on your first call in unless you contacted the SYSop first.

E-MAIL and BULLETINS are subdivided into conferences. The first level is the MAIN section where everything is general to the MMCC. [J]oin the TIMEX or QL conference to see SINCLAIR specific E-MAIL and News Items. [B]ulletins will display topics like SINC to see the SINCLAIR sub-board for related topics.

MMCC BBS 847-532-5558
Arlington Heights, Illinois

Q-Box BBS 810-254-9878
Utica, Michigan

SCC BBS 305-945-8274
Miami, Florida

SOL BBS 520-882-0388
Tucson, Arizona

ARTICLES

TS2068 Key Top Protector

by
Phillip Kwitkowski

Our TS2068 users have long been concerned about the loss of the painted on key cap markings do to normal wear. We have tried carefully painting clear coatings on the keys using things like Krylon but in time that either wears off or collects finger dirt making the keys again unreadable.

Bob Swoger visited my home one day last winter and observing my TS2068, he noticed that my keys still looked like new! As he got closer, he found that he was looking at these keys through a thin, almost invisible film! "What's this?" he asked. "I got the idea from you. You know how you protect your home TV remote by wrapping it in a plastic sandwich bag? Well, I taped Saran Wrap over the top of my keyboard. You can hardly see it because the film is so clear and you can hardly feel it. Try it", I said.

He gave it a try. I had taped the Saran Wrap over the keyboard just loose enough to not feel its presence. The film started from under the cover of the game/dock port where it was fastened with two small pieces of Scotch tape. Unless you opened the door, you couldn't see the tape. I had laid a pencil vertically between the film and the keys and taped the left edge of the film under the TS2068 using several small pieces of tape. The ON/OFF switch was left uncovered.

The top edge of the film was left un-taped, its edge hidden by the groove just above the keyboard. The bottom edge was wrapped over the bottom edge of the machine and taped underneath again with several small pieces of tape. When the pencil was removed the tension

of the film was relaxed making film limp over the keys. This is what made the film transparent to feel.

This whole procedure took far less time than painting clear Krylon coating over the keys and if the thing ever starts looking ugly, you can replace it again real easy!

Bob tried it on Bobby Muth's machine and his own at the next club meeting. Three minutes to find the scissors, pencil, Scotch tape and Reynolds version of Saran Wrap. Seven minutes to install the film and re-install the TS2068 back into the setup. Two minutes to put the items away again. (Wives/moms really appreciate that part.)

Meet Phillip Kwitkowski

The 1970's was the time that many people in American businesses found themselves using computers in the work place. It was at that time that Pete Kwitkowski, Phillip's dad, taught me BASIC on a Hewlett Packard HP9830. In those days we read magazines like Popular Electronics that showed how we could have computers at home for under \$1000. The power those machines were capable of was poor compared to the HP9830 and for those prices, there was no real desire to have one of those machines at home.

By the end of the 1970's, many machines were on the scene that could be programmed in BASIC and cost less than \$500. In 1980, not only was there the Radio Shack Color Computer, Commodore VIC 20, Texas Instrument TI-99, ATARI 800XL and Sinclair ZX80, there was now Phillip Kwitkowski.

At age 14, Phil kwitkowski had only a Macintosh portable in his home. Everyone in the family used it but only a little as there wasn't much

software in it. No one in the family belonged to any computer clubs.

At that time Phillip came over to my home one day and saw me in front of my Sinclair TS2068 setup. When he returned home, he told his mother that he 'just had to have one'. Not long after, Dave Lebowitz of Park Forest, Illinois, a CATUG member, sent Phillip a TS2068. Phil bought a LarKen DSK400 interface from FWD Computing and Joan Kealy sent him a LarKen RAM DISK. Trips to both the Elgin CoCoFEST in Illinois and the Dayton ComputerFEST allowed him to return home with four disk drives, a Magnavox color monitor, STAR graphics printer and a lot of software for himself and his long time friend and CATUG member Bobby Muth who now has his own TS2068 setup.

1996 is a very interesting moment in personal computer history. It seems that some computer users require more than one computer platform in the home to accomplish all the family desires. Even in the work place I have to have a UNIX machine, a Macintosh and an IBM compatible machine in my ANTI-PRODUCTIVITY POD (as Dilbert calls it) to do my job effectively. No one machine does it all/best. For a long time I felt that the Sinclair was the only machine one needed at home, but no longer do I advocate this. I have observed within our own club that most members own at least two different computer platforms.

The realization of this fact did not occur to me until I visited Phillip's home in late 1995. Phil has a desk that fills one wall in his room. On the right side is his TS2068 with its four disk drives, LarKen DSK400 and RAM DISK, modem, joy sticks, track ball and large printer. Next to it is his Macintosh setup with its modem and printer. On the left is a home brew 486 that seems

to be in the shop more often than not. All this collected in less than three years! He truly seems to require all three to do all he wishes to do. He has commercial software he likes to run that requires all three machines. He has the ability to move word processor and picture files between all three. When there is a task that needs doing which requires him to write his own software, it is the Sinclair he sits in front of.



Phil became our treasurer in 1995 and earlier this year turned 16. He will be taking a course in PASCAL programming next semester as C is not yet offered at his school.

; -)

Sorta Lame, But Told Well

There was this male engineer, on a cruise ship in the Caribbean for the first time. It was wonderful, the experience of his life. He was being waited on hand and foot. However, it did not last. A Hurricane came up unexpectedly. The ship went down almost instantly.

The man found himself, he knew not how, swept up on the shore of an island. There was nothing else anywhere to be seen, no people, no supplies, nothing.

The man looked around. There were some bananas and coconuts, but that was it. He was desperate, and forlorn, but decided to make the best of it. So for the next four months he ate bananas, drank coconut juice and mostly looked to the sea mightily for a ship to come to his rescue.

One day as he was lying on the beach stroking his beard and looking for a ship, he spotted movement out of the corner of his eye. Could it be true, was it a ship? No, from around the corner of the island came this rowboat. In it was the most gorgeous woman he had ever seen, or at least seen in four months. She was tall, tanned, and her blond hair, flowing in the sea breeze, gave her an almost ethereal quality. She spotted him also as he was waving and yelling and screaming to get her attention. She rowed her boat towards him.

In disbelief he asked, "Where did you come from? How did you get here?" She said, "I rowed from the other side of the island. I landed on this island when my cruise ship sank four months ago."

"Amazing," he said, "I didn't know anyone else had survived. How many of you are there? Where, did you get the rowboat? You must have been really lucky to have a rowboat wash-up with you?"

"There is only me," she said, "and the rowboat didn't wash up with me, nothing else did."

"Well then," said the man, "how did you get the rowboat?" "I made the rowboat out of raw material that I found on the island," replied the woman. "The oars were whittled from Gum tree branches, I wove the bottom from Palm branches, and the sides and stern came from a Eucalyptus tree."

"But, but," asked the man, "what about tools and hardware, how did you do that?"

"Oh, no problem," replied the woman, "on the south side of the island there is a very unusual strata of alluvial rock exposed. I found that if I fired it to a certain temperature in my kiln, it melted into forgeable ductile iron. I used that for tools, and used the tools to make the hardware. But, enough of that," she said. "Where do you live?"

At last the man was forced to confess that he had been sleeping on the beach. "Well, let's row over to my place," she said. So they both got into the rowboat and left for her side of the island.

The woman easily rowed them around to a wharf that led to the approach to her place. She tied up the rowboat with a beautifully woven hemp rope. They walked up a stone walk and around a Palm tree. There stood an exquisite bungalow painted in blue and white.

"It's not much," she said, "but I call it home. Sit down please, would you like to have a drink?" "No," said the man, "one more coconut juice and I will puke."

"It won't be coconut juice," the woman replied, "I have a still. How about a Piña Colada?" Trying to hide his continued amazement, the man accepted, and they sat down on her couch to talk.

After they had exchanged their stories, the woman asked, "Tell me, have you always had a beard?" "No," the man replied, "I was clean shaven all of my life, and even on the cruise ship." "Well if you would like to shave, there is a man's razor upstairs in the cabinet in the bathroom." So the man, no longer questioning anything, went upstairs to the bath room. There in the cabinet was a razor made from a bone handle, two shells honed to a hollow ground edge were fastened on to

its end inside a swivel mechanism. The man shaved, showered and went back down stairs.

"You look great," said the woman, "I think I will go up and slip into something more comfortable."

The man continued to sip his Piña Colada. After a short time, the woman returned wearing fig leaves strategically positioned and smelling faintly of gardenia.

"Tell me," she asked, "we have both been out here for a very long time with no companionship. You know what I mean. Have you been lonely, is there anything that you really miss? Something that all men and woman need? Something that it would be really nice to have right now?"

"Yes, there is," the man replied, as he moved closer to the woman while fixing a winsome gaze upon her, "Tell me ... Do you happen to have an Internet connection?"

ADS

To put an AD in the BBS and newsletter, upload a file with the filename.filetype:

FSxxx.ADS

where xxx is your initials.

!!! Our ADS are free !!!

Your ADS appear in FOUR different newsletters!

WANTED 960606

Fred Reimers, KF9GX, is looking for an old article. March 1993 QEX 432 MHz Amplifier. Contact Fred on 847-576-3540.

WANTED 960604

Fred Reimers, KF9GX, is looking for an old article. December 88 issue of Ham Radio magazine. Article is 4-digit DTMF decoder Contact Fred on 847-576-3540.

FOR SALE 960418

Icom T21AT 2M HT for sale. The unit also receives on 440 and will do full duplex, transmitting on 2M and receiving on 440. Given 12V this HT will produce 6W, rather than the more common 5W.

Usual HT stuff, 99 memories, CTCSS encode/decode. DTMF encode/decode, autodial. The T21AT is a nice compact size, has a backlit display and keypad, 800mah battery (in very good shape).

Downsides? The T21AT uses an SMA antenna connector, I have an adapter for BNC which I'll include. There are a couple light scratches on the outside edges of the display.

I'll also include the filtered car cord and a AA battery case. I have the original manual and box.

Steve KA9QOA\$175

FOR SALE 960418

2 month old Yaesu FT40 440 HT for sale. The HT includes the 5W (600mah) battery and the FFT-10/A16S keypad with CTCSS encode/decode, DCS encode/decode, digital voice recorder... all the bells and whistles. Memories are kept in banks, a nice touch, and can be named with 4 characters. Direct FM allows the digital coded squelch (DCS) to function and results in excellent voice quality.

The FT10/40/50 series is very well built (meets some mil-spec rating) and is water resistant. I have also had very good luck with the receiver being intermod resistant. Radio is in excellent condition, only downside is the SMA antenna connector (male on the radio) but I'm including the BNC adapter. I have all the original accessories, box, and manual.

Steve KA9QOA\$275

FOR SALE 960418

Radio Shack, Patrolman mobile
scanner. 12V only, 100 channel,
in banks of 20, x 5.
Cover 30-950, with the standard
skips. 30-50, 118-174, 440-512,
800, modified to extend on to
950, yes it receives cellular.
5 years old, works-looks like
new. orig 220.00,Want \$75
Call Gary 847-538-1449 N9SBL

WANTED 960418

Looking for a Kenwood BT-1
Alkaline Battery Case for a
TR-2500/3500. Call John Gilbert
KA4JMC at 847-576-6215.

WANTED 960417

Memotec Assembler Module
RS-232 for the ZX81 and T/S1000
Memotec extnal keyboard system
let me know how much you want
for these items.....
Jose Moreno SYSop
SCC BBS (305) 945-8274
1871 N. Glades Dr. Apt. #3
N. Miami Beach, Florida 33162

FOR SALE 960416

IC-37A 222 MHz 25 W Icom Mobile
Never used in contests or HiPwr
operation.\$225
IC3AT 222 MHz Icom Portable
w/PL\$100
IC02AT 2 meter Icom Portable
w/PL,lcd display,10 memory.\$175
Both with Hi Capacity Battery
Call Nick Berg 847-435-7880 or
CNB001@email.mot.com

FOR SALE 960412

Upgraded SB-220
New Heavy Duty Peter Dahl
Hypersil Power Transformer
New filter capacitors
New Metering/Rectifier board
VHF parasitic suppression
In-rush current limiting
New heavy duty fan
Soft-Keying
The above upgrades were made
in March 1996.
Tubes are in Excellent
condition
2 spare tubes included
2 new condition tubes included.

These tubes have been tested
but never put in service...\$800
Andy Bachler N9AB
Work 523-6167
Home 566-0594

FOR SALE 960404

Amiga 2000 w/HD 8M Fatter Agnus
and loads of software\$600
GVP G-lock new in box\$150
TASCA Porta 03 new\$160
312-536-6693

FOR SALE 960404

Epson 286 40M HD 14" color mntr
NEC 5200 Pinwriter dot matrix
printer & lots of software
815-477-9934.....\$250 OBO

FOR SALE 960404

Macintosh color classic 6M RAM
80M HD 14.4 FAX MODEM \$600 OBO
Jeff 815-334-0048

FOR SALE 960404

IOMEGA 100 MB zip disks 3-pack
708-894-8716\$35

FOR SALE 960404

Intel P-133 MHz computer brand
new 1 yr parts & labor 16MB EDO
RAM 4xCD & sound card 1.2 GB HD
15" monitor 28.8 fax/modem
Windows 95 CD games pack
Shibu 708-549-9472

FOR SALE 960404

NEC multisync 2A 13" color mntr
800X600 Exc cond\$150 OBO
Dave 708-359-8574

FOR SALE 960404

Internet in a box 2.0 for Wndws
& Windows 95 never used
708-934-5431\$45

FOR SALE 960404

Mac Performa 405 computer 4MR
14" Magnavox color mntr ext CD
ROM mic 2 ext spkrs keybd mouse
software like new
708-628-1390\$675

FOR SALE 960404

 Magitronic 486 DX 33 MHz 4MR
 320MB HD SVGA dual floppy
 mouse Windows 3.1 MSDOS 5.0
 Epson FX1050 printer\$600
 708-529-3029

FOR SALE 960404

 Commodore 128 with floppy drive
 monitor & printer
 708-830-6926\$25

FOR SALE 960404

 IBM 286 compatible w/word prcsr
 Epson printer & lots of disks
 708-289-0059\$300

FOR SALE 960404

 Packard Bell 486 DX 33 MHz 8MR
 170MB HD 15" SVGA 2X CD ROM
 sound blaster 16 speakers 14.4
 fax tape backup dual floppy
 mouse Windows 3.1 MSDOS 6.2
 Jeff 708-490-1387\$1000/OBO

FOR SALE 960404

 Mac Plus 40 M HDD sftwr ...\$200
 Dan 708-359-7293

FOR SALE 960404

 Mac Plus 80 M HDD sftwr ...\$230
 Dan 708-359-7293

FOR SALE 960404

 386DX40 CD ROM sound 540M HD
 4M RAM 14.4 modem SVGA monitor
 1.44 FDD MSDOS 6.2 Windows 3.1
 MS office & more\$750
 Dan 708-359-7293

FOR SALE 960404

 386DX40 CD ROM sound 420M HD
 4M RAM 14.4 modem SVGA monitor
 1.44 FDD MSDOS 6.2 Windows 3.1
 MS office & more\$650
 Dan 708-359-7293

FOR SALE 960404

 Macintosh SE w/Imagewriter \$300
 softwr, manuals & ink cartridges
 Call 815-439-3852

FOR SALE 960404

 Panasonic KXP3151 daisy wheel
 Parallel Printer optional
 automatic/pin feed like new
 708-577-7327\$75 OBO

FOR SALE 960404

 TOSHIBA T-1200 Laptop\$175
 708-740-3922 best offer

FOR SALE 960308

 Samsung Notebook Computer
 Pentium 90 10.4" active color
 screen 8 MB RAM 1.3 GB HD
 removable/16 bit sound/built in
 spkrs & mic plus extra battery.
 New in box never used ... \$3506
 Call 708-263-1685

FOR SALE 960308

 Notebook computer Pentium 100MH
 8MB RAM 540MB HD 10.4 color
 screen built in 4xCDROM floppy
 drive /only 7 lbs/ carry case,
 battery & charger. New in box
 Call 708-263-1685 \$2872

FOR SALE 960308

 Texas Instruments Extensa
 notebook computer model 550
 Pentium 75 8MB RAM 524 MB HD
 floppy drive removes for CD-ROM
 10.4" color screen. Box never
 opened (brand new)..... \$2500
 Call 708-263-1685

FOR SALE 960308

 Compaq Presario 466 - 486SX2166
 340MBHD 4MB RAM 2400 baud modem
 14" Compaq SVGA monitor mouse &
 software..... \$900
 Call 708-608-2678

FOR SALE 960308

 386 DX40 IBM Compatible 300MBHD
 8MB RAM VGA monitor WIN 3.1
 DOS 6.22 printer 3.5"&5.25" FDD
 tons of software \$500/OBO
 Call Jim 708-465-0730

FOR SALE 960308

 14.4 FAXIDATA modem computer
 peripherals, External w/manual
 Steve 708-443-9609 \$50/OBO

FOR SALE 960401

 IBM PS2 386DX w/modem 66MB HD
 8MB RAM SVGA monitor & sound
 card DOS 6.22 WIN 3.1 Prodigy
 AOL Call 312-682-7225.... \$500

FOR SALE 960308

 Zenith 386SX Notebook computer
 80MB HD 4MB RAM 387SX math co-
 processor fax modem extra bttry
 Call 708-695-0084 \$575

FOR SALE 960308

 Simm-4MB 72pin 80nsec no parity
 (Macintosh) \$100.. 708-884-1679

FOR SALE 960308

 212 MB internal HD SCSI intrfc
 708-382-3125 after 6pm..... \$75

FOR SALE 960308

 Macintosh LC computer 10/160
 PL65 45MB external HD CD ROM
 13" color monitor Costar Label-
 writer HP color printer
 Call 708-359-6515 \$850

FOR SALE 960308

 Packard Bell 486 DX250 MHz 4MR
 260MB HD 14" SVGA CD ROM
 cordless noise HP 560C printer
 Software Windows WordPerfect
 MS office\$1250/OBO
 Call KP 708-592-9892

FOR SALE 960308

 ACER 486SX/25 14" color monitor
 EPSON 3250 dot matrix printer
 Windows Works 2.0 Windows 3.1
 MSDOS 5.0 fax modem 2.5 years
 old hardly used..... \$800/OBO
 Call 708-526-2319

FOR SALE 960201

 Apple IIGS 512K RAM GS clr mntr
 Imagewriter printer..Best Offer
 708-741-4985

FOR SALE 960201

 Pentium 75MH mini tower 16M RAM
 500 M HD dual speed CD 15" SVGA
 2M video RAM Windows 95 Lotus S
 Laser printer 300 DPI\$2400
 JAMAL 708-247-8119

FOR SALE 960201

 IBM PC-XT HD 5.25 FD KYBD BEST
 708-371-7950

FOR SALE 960201

 Macintosh SE & Imagewriter \$400
 815-439-3852

FOR SALE 960201

 486 Packard Bell Math Coprsr
 color monitor DOS 6.1 Wndws 3.1
 All manuals & disks\$750
 708-949-6594

FOR SALE 960201

 486SX new monitor & video card
 sound blaster w/speakers 8M RAM
 \$750 OBO Ron 708-358-8322

FOR SALE 960201

 Fine deal for someone within
 driving distance of Gettysberg.
 All the following to the first
 person to show up w/ \$350 cash
 and cart it away. Firm
 3-TS2068 1-TS1000 2-TS2040
 2-TS2050 Mdms 2 Color Monitors
 1-B&W Monitor & all the goodies
 Paul Robinson
 121 Franklin St
 Fairfield PA 17320

FOR SALE 960201

 386-20 Laptop\$250
 2-IBM XTs best offer
 815-455-6490

FOR SALE 960201

 13 Yr collection of T/S Cmptrs
 ZX81, 2-TS1000, 5-TS1500 and
 PC8300 with all the goodies.
 Must take it all for \$75 plus
 \$20 for shipping Large 45# box.
 R A JELEN
 11443 Island RD
 Grafton OH 44044
 216-748-3830 for questions

FOR SALE 960201

 TS1000 COMPLETE\$15
 GENE RAY
 2388 HWY 36 E
 MILNER GA 30257

WANTED 960201

 TS USER #2 & #5
 TS HORIZONS #'S 1,2,7,11 & ALL
 AFTER 16.CONVERSATIONAL GERMAN,
 DER STUDENT, GERMAN TUTOR OR
 SIMILAR. MACHINE CODE TUTOR
 FOR THE 2068 OR 1000
 DOUG WAGONER
 E 4825 ST ANTHONY LN
 POST FALL ID 83854-8812

FOR SALE 960201

 TS2040 PRINTER COMPLETE\$20
 WILLIAM DES LAURIES
 9926 KRAMER CT
 INDIANAPOLIS IN 46236-1647

FOR SALE 960116

 Brand New TS2068s and more.
 Eric Johnson
 249 N Harden Av
 Orange City FL 32763
 904-755-4935

FOR SALE 960101

 Half Height Quad Density 5.25"
 (720K) Floppy Disk Drives
 \$25 each or 10 for \$150
 Computer Classics
 RT 1, BOX 117
 COBOOL MO 65689
 417-469-4571

FOR SALE 960101

 IBM XT 10M HD 640K RAM 360 FDD
 MONOCHROME MONITOR & KEYBOARD
 SERIAL AND PARALLEL PORTS \$200
 Computer Classics
 RT 1, BOX 117
 COBOOL MO 65689
 417-469-4571

FOR SALE 960101

 IBM 286 20M Hard Drive 1M RAM
 1.2M and 1.44M Floppy Drives
 MONOCHROME MONITOR & KEYBOARD
 SERIAL AND PARALLEL PORTS \$350
 Computer Classics
 RT 1, BOX 117
 COBOOL MO 65689
 417-469-4571

FOR SALE 951212

 2-TS 2020 tape recorders ...\$23
 or \$13 for 1 includes shipping.
 PleaseAdd \$2 to ship to Canada.
 Eliad Wannum c/o UPDATE! Mgz n
 PO BOX 17, MEXICO IN 46958 USA

FOR SALE 951212

 2-Schoen replacement keyboards
 for the QL.ea. \$16
 Eliad Wannum c/o UPDATE! Mgz n
 PO BOX 17, MEXICO IN 46958 USA

FOR SALE 951212

 2- "Anti-bounce chips to replace
 the 8049 on the QL for those
 that don't want to go to the
 HERMES chips.ea. \$6
 Eliad Wannum c/o UPDATE! Mgz n
 PO BOX 17, MEXICO IN 46958 USA

FOR SALE 951122

 TS1000 TS1500 TS2068 TS2040
 A&J Microdrives AERCO CPI &MORE
 Contact for prices:
 Mike Stephens
 312 Newton Avenue
 Oakland CA 94606-1320

FOR SALE 951122

 Complete with Dual 5.25" FDDs
 Doc board power supply intrfc
 LarKenized RAMEX System\$80
 Mike Stephens
 312 Newton Avenue
 Oakland CA 94606-1320

FOR SALE 960627

 AERCO Disk Drive Interface for
 TS2068TRADE
 Contact John Stewart
 RADIOJON@polaristel.net

FOR SALE 951116

 CGP-115 Color Graphic Printer
 by Tandy Radio Shack
 Like New Condition\$75
 DG SMITH 814-535-6998
 R.415 Stone ST
 Johnstown PA 15906

FOR SALE 951116

 Sinclair QL - New - Never used!
 Package includes TRUMP CARD,
 PwrSply, Manuals, Printer Cable
 24 MicroDrive Cartridges - 10
 programmed 14 blank\$125
 DG SMITH 814-535-6998
 R.415 Stone ST
 Johnstown PA 15906

FOR SALE 951028

 Monitor 13" Color Used CV
 General Science\$72
 Includes shipping - Visa or MC
 Call Roger @ 716-338-7001

FOR SALE 951021

 3-TS2068 1-TS1000 2-2050 MODEMS
 2-2040 PRNTRS 2-COLOR MONITORS
 1-B/W MONITOR 2-SPECCY EMULATRS
 ALL SOFTWARE & PRINTED MATERIAL
 PAUL ROBINSONFIRM \$300
 121 FRANKLIN ST
 FAIRFIELD PA 17320

FOR SALE 951021

 A&J MicroWafer Drive w/software
 Fred HennFREE
 230 N French Rd
 Amherst NY 14228-2033

FOR SALE 950627

 1. HARDWARE: ZX-81 Computer,
 TS-1000 Computer Case, ZX-16K
 RAM (Qty 2), TS-1016 RAM Pack,
 and TS-1000 Winky Board.
 2. SOFTWARE ON CASSETTE:
 Backgammon Frogger Word Sinc
 States and Capitals
 Total Triangles
 Conversational Spanish
 Conversational German
 Conversational French
 3. SCHEMATICS: TS1000 Computer
 TS-1016 RAM Pack ZX-81 Computer
 and ZX-16K RAM Pack.

=====

I would like to get \$20 for the
 entire package, but, any offer
 will be considered and probably
 taken! Either leave email or
 give me a call (708) 360-1549
 if you're interested.

Gary Lessenberry

CHICAGO AREA TIMEX/SINCLAIR USER GROUP

```

!!
!!
!!
)
##
##      ***      ! !
##      ####      ! !
##      ####      ! !
###     ####     *#*
###     ####     ###
###     ####     ###
####    !    ####    *####
####    !    ####    *####
####    !    ####    #####
####    ##    ####    #####
## ##### ## #####    #*#####
## ##### ## #####    #####
## ##### ## #####    #####
##### ## #####    #####
#####*#####    #####
#####

```

In Memory of

GRANT THOMAS

W9YAS

Gilberts, Illinois

1918 - 1996

QL